



**SDI Review Form 1.6**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	2014_PSIJ_14151
Title of the Manuscript:	Determination of Optical Band Gap energy of wurtzite ZnO:Ce Nanocrystallites
Type of the Article	Original Research Article

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b><u>Compulsory</u></b> REVISION comments	<ol style="list-style-type: none"> <li>1. The structure of the article is poor.</li> <li>2. The summary should only present the experimental results and not conclusions and experimental.</li> <li>3. Five key words should be enough.</li> <li>4. The authors show changes in the ZnO-Ce doped samples.  However changes were observed in such case for the effect of heat treatment temperature and not by the incorporation of CeO<sub>2</sub> in the crystal lattice of ZnO.</li> <li>5. Insert any of the XRD patterns corresponding to the undoped sample to compare with the doped samples.</li> <li>6. Make a table with the results of analysis of the atomic composition of the percentages of Zn, O</li> </ol>	



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	and Ce respectively.  6. Make a plot $(\alpha h\nu)^2$ vs, $h\nu$ considering that transition in this material is direct and likewise to obtain the band gap energy ( $E_g$ ) according to this model.	
<b><u>Minor</u></b> REVISION comments		
<b><u>Optional/General</u></b> comments		

**Reviewer Details:**

Name:	<b>Anonymous</b>
Department, University & Country	<b>Benemérita Universidad Autónoma de Puebla, Pue, México</b>